

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the present application.

LISTING OF CLAIMS:

Claims 1 to 7. (Canceled).

8. (Currently Amended) A method for coating a hollow body, comprising the steps of:

contacting a powder mixture with an inner surface of the hollow body to be coated, the powder mixture including a metal donor powder, an inert filler powder and an activator powder, the activator powder including a metal halide; and

heating the powder mixture;

wherein a mean particle size of the inert filler powder is approximately equal to a mean particle size of the metal donor powder;

wherein the mean particle size of the metal donor powder and the mean particle size of the inert filler powder are greater than 40 μm ; ~~and~~

wherein a metal donor powder content is 10% to 25% by weight of the powder mixture; and

wherein the metal donor powder includes a mixture of more than one alloy.

9. (Previously Presented) The method according to claim 8, wherein the metal donor powder includes an alloy having a donor metal content of 20% to 80% by weight.

10. (Previously Presented) The method according to claim 8, wherein the metal donor powder includes a mixture of a first alloy having a donor metal content of 40% to 70% by weight and a second alloy having a donor metal content of 30% to 50% by weight.

11. (Previously Presented) The method according to claim 8, wherein the powder mixture includes an activator powder content of 2% to 5% by weight.

12. (Previously Presented) The method according to claim 8, wherein the metal halide of the activator powder includes a metal halide of a donor metal.

13. (Previously Presented) The method according to claim 8, wherein the donor metal powder includes AlCr.

14. (Previously Presented) The method according to claim 8, wherein the mean particle size of the metal donor powder and the mean particle size of the inert filler powder are approximately 150 μm .

15. (New) A method for coating a hollow body, comprising the steps of:
contacting a powder mixture with an inner surface of the hollow body to be coated, the powder mixture including a metal donor powder, an inert filler powder and an activator powder, the activator powder including a metal halide; and
heating the powder mixture;
wherein a mean particle size of the inert filler powder is equal to a mean particle size of the metal donor powder;
wherein the mean particle size of the metal donor powder and the mean particle size of the inert filler powder are greater than 40 μm ; and
wherein a metal donor powder content is 10% to 25% by weight of the powder mixture.

16. (New) The method according to claim 8, wherein the metal donor powder includes an alloy having a donor metal content of 20% to 80% by weight.

17. (New) The method according to claim 8, wherein the metal donor powder includes a mixture of more than one alloy.

18. (New) The method according to claim 8, wherein the powder mixture includes an activator powder content of 2% to 5% by weight.

19. (New) The method according to claim 8, wherein the metal halide of the activator powder includes a metal halide of a donor metal.

20. (New) The method according to claim 8, wherein the donor metal powder includes AlCr.

21. (New) The method according to claim 8, wherein the mean particle size of the metal donor powder and the mean particle size of the inert filler powder are approximately 150 μm .

22. (New) The method according to claim 15, wherein the metal donor powder includes a mixture of a first alloy having a donor metal content of 40% to 70% by weight and a second alloy having a donor metal content of 30% to 50% by weight.